CLAIMS

1. An self-enhancing search system comprising:

a semantic taxonomy containing semantic nodes in a hierarchical structure;

a search system analyzer that periodically looks through a document and identifies a semantic node term in the semantic taxonomy applicable to the document;

a semantic binder attaching the document to the semantic node term; and

relevant document finder based on enhanced queries including the semantic node term to locate documents applicable to a user's search.

2. The search system of claim 1, wherein the enhanced search query includes "the user's search query" OR "the semantic node"..

3. The search system of claim 2 including a semantic dictionary which defines user query terms in accordance with the semantic nodes in the semantic dictionary.

4. The search system of claim 3 including a semantic dictionary builder which examines the system log to increase the terms in the semantic dictionary.

5. The search system of claim 4 including ranking the results of searches using the enhanced queries.

6. The search system of claim 5, including a text analyzer comprising:

a sub-module that identifies domain specific terms in a given query, using domain specific glossary;

a sub-module that finds synonyms and related terms for the identified terms, using domain specific thesaurus;

a sub-module that finds other statistically close terms; and

a sub-module that identifies relevant domain specific categories for the identified terms, using domain specific ontology.

7. The search system of claim 6, wherein the dictionary builder includes:

a sub-module that binds queries in the identified semantic taxonomy categories, using the results of the text analyzer.

8. The search system of claim 7, wherein the semantic binder includes:

a sub-module that adds new doc-query links to the meta-data of the corresponding textual index entries to link the documents to the semantic taxonomy categories.

9. Self-enhancing search program on a computer usable medium comprising:

semantic taxonomy code containing semantic nodes in a hierarchical structure;

search system analyzer code that periodically looks through a document and identifies a semantic node term in the semantic taxonomy applicable to the document;

semantic binder code attaching the document to the semantic node term; and

relevant document finder based on enhanced queries including the semantic node term to locate documents applicable to a user's search.

10. The search program of claim 9, wherein the enhanced search query includes "the user's search query" OR "the semantic node"..

11. The search program of claim 10 including code for a semantic dictionary which defines user query terms in accordance with the semantic nodes in the semantic dictionary.

12. The search system program of claim 11 including code for a semantic dictionary builder which examines the system log to increase the terms in the semantic dictionary.

13. The search system program of claim 12 including code for ranking the results of searches using the enhanced queries.

14. The search system program of claim 13, including a text analyzer comprising:

code for a sub-module that identifies domain specific terms in a given query, using domain specific glossary;

code for a sub-module that finds synonyms and related terms for the identified terms, using domain specific thesaurus;

code for a sub-module that finds other statistically close terms; and

code for a sub-module that identifies relevant domain specific categories for the identified terms, using domain specific ontology.

15. The search system program of claim 14, wherein the dictionary builder includes a sub-module that binds queries in the identified semantic taxonomy categories, using the original results of the text analyzer.

16. The search system program of claim 15, wherein a semantic binder including the module comprises:

a sub-module that adds new doc-query links to the meta-data of the textual index entries to link the documents to the semantic taxonomy categories.